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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/581,327	06/01/2006	Hiroji Masuda	5259-000065/US/NP	3625	
27572 HARNESS D	7590 04/21/201 ICKEY & PIERCE, P.I.	EXAM	EXAMINER		
P.O. BOX 828			WOLDEKIDAN, F	WOLDEKIDAN, HIBRET ASNAKE	
BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER	
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			04/21/2010	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/581,327	MASUDA ET AL.		
Examiner	Art Unit		
Hibret A. Woldekidan	2613		

	Hibret A. Woldekidan	2613	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress
THE REPLY FILED 08 April 2010 FAILS TO PLACE THIS APP	LICATION IN CONDITION FOR A	LLOWANCE.	
 M The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C periods: 	the same day as filing a Notice of replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
The period for reply expires 3 months from the mailing date	of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire Is Examiner Note: If box 1 is checked, check either box (a) or (dvisory Action, or (2) the date set forth ater than SIX MONTHS from the mailing	g date of the final rejectio	n.
MONTHS OF THE FINAL REJECTION. See MPEP 706.07(
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filled is the date for purposes of determining the period of ext under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL.	ension and the corresponding amount hortened statutory period for reply origing than three months after the mailing dat	of the fee. The appropria inally set in the final Offic	ate extension fee e action; or (2) as
The Notice of Appeal was filed on A brief in comp	liance with 37 CER 41 37 must be	filed within two months	of the date of
filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed w	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
AMENDMENTS			
 The proposed amendment(s) filed after a final rejection, t 			cause
(a) They raise new issues that would require further cor		řE below);	
(b) They raise the issue of new matter (see NOTE belo		4	
(c) They are not deemed to place the application in bet appeal; and/or	ter form for appeal by materially rec	lucing or simplifying tr	ne issues for
(d) ☐ They present additional claims without canceling a c	corresponding number of finally reje	cted claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).			
 The amendments are not in compliance with 37 CFR 1.12 		mpliant Amendment (f	PTOL-324).
Applicant's reply has overcome the following rejection(s):			
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	owable if submitted in a separate,	imely filed amendmen	nt canceling the
 For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proving. 		I be entered and an ex	xplanation of
The status of the claim(s) is (or will be) as follows: Claim(s) allowed:			
Claim(s) objected to:			
Claim(s) rejected: 1-14 and 17-19. Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE			
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 			
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome all rejections under appea	al and/or appellant fails	s to provide a
 The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER 	n of the status of the claims after er	ntry is below or attache	ed.
11. The request for reconsideration has been considered bu	t does NOT place the application in	condition for allowan	ce because:
12. Note the attached Information Disclosure Statement(s).	PTO/SB/08) Paper No(s).		
13. A Other: See Continuation Sheet.			
/Kenneth N Vanderpuye/			

Supervisory Patent Examiner, Art Unit 2613

Continuation of 13. Other: Applicant Argument I

Applicant Argued on Page 8-9 of the Remark,"

...With respect to the claimed limitation of "with the longest wavelength of the

pumping light being shorter than the shortest wavelength of the signal light so as to

have a frequency difference of 13.7 to 17.9 THz", the Examiner points out FIGS. 23 and

25 of Inoue (page 3, first paragraph, last six lines of the Office Action). The wavelength of forward pumping light shown in FIG. 25 of Inoue, however, is

the wavelength used for a HNL (i.e., highly nonlinear fiber) ... In contrast, claim 1 has been amended so that the silica fiber is laid throughout a city ... Examiner Answer

Examiner respectfully disagrees because the limitations in the claim do not specifically disclose whether the fiber has to be a single mode fiber(SMF) or a highly non linear set in throughout a city..." is a broad term. It does not specify the length of the fiber. Any fiber used for transporting signals from any Point A to any Point B can be considered as a fiber laid throughout a city. The claim states an incoming signal light that pumped with a forward pump light. Similarly, house discusses in fig. 23, a Raman amplification system having an incoming signal light that pumped with a forward pump light. Similarly, house discusses in fig. 23, a Raman amplification system having an incoming signal light that being within wavelength range of 1480mm-1630mm, a first and second floward pumping unit. The first pumping unit is placed before a single mode fiber(SMF) portion and the second pumping unit is before the highly non linear(HNL) fiber portion. Both the SMF and the HNL fiber are used for Roman amplification (SME) except the second pumping unit and the second pumping unit is placed to 47-51.

Since the claim does not state whether the fiber has to be a SMF or HNL fiber, or specify the type of forward pumping light, examiner determined the frequency difference based on the forward pumping light of a HNL fiber. The calculated frequency difference based on a forward pumping light of 1385nm(See fig. 25), and the shortest signal light of wevelength of ~1480nm(See fig. 23) is 13.9THz which is within the quiver frequency range of the limitation 13.7-17.9THz.

Further examiner used a secondary reference(Islam) to emphasize that a similar Raman amplification system can be used for broadcasting or distributing signals throughout a given area.

Therefore, since the enclose HNL fiber used in fig. 23,25 is part of a Raman amplification system and the Raman amplification system is used to distribute signal throughout a given area or city, and the calculated frequency rafference is 13,9THz which is within the given frequency range of the limitation 13,7-17,9THz, the arqued feature is not persuasive.

Applicant Argument II

2. Applicant Argued on Page 9 last Paragraph to Page 10 first Paragraph of the Remark"....With respect to the relationship between the longest wavelength of forward pumping light, which is used for distributed Raman amplification (i.e., in FIG. 23 of inoue, forward pumping light supplied to the SMF 30), and the shortest wavelength of signal light, the frequency difference there between in Inoue does not fall within the claimed frequency range of 13.7 to 14.7 etr.Z. This holds true for the examples in FIG. 7and FIG. 28 as well. Accordingly, Inoue cannot be relied upon to teach or otherwise suggest the foregoing limitations..."

Examiner respectfully disagrees because the claim does not specifically state the fiber has to be a single mode fiber(SMF). The claim only states a silica fiber laid throughout a city.

States a silical liber in an intrologious of a Raman amplification system (See Col. 14 line 49-50). It has an input signal light within a range of 1480-1630nm. It has a single mode fiber(SMF) portion and a highly non linear (HNL) fiber portion. As shown in fig. 28 the wevelength for the forward pumping of the 14NL is 1385nm which is considered as the longest pumping wevelength since it is the only pumping wavelength provided for the HNL fiber. The calculated frequency difference based on a forward pumping light of 1385nm(See fig. 25), and the shortest signal light of wavelength of -1480nm(See fig. 23) is 13.91THz which is within the given frequency range of the scalam class of the solution of the system, the claim does not clearly state what kind of fiber the system has to use. The claim simply states a silical fiber laid throughout a city for use in Raman amplification. The pumping light used for the HNL fiber is also part of a Raman amplification system is condainty state when the side of the side